

10546005.trn

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SP7ADKO1625

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1 Web Page for STN Seminar Schedule - N. America  
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NEWS 3 MAY 08 CA/CAPLUS Indian patent publication number format defined  
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NEWS 5 MAY 21 BIOSIS reloaded and enhanced with archival data  
NEWS 6 MAY 21 TOXCENTER enhanced with BIOSIS reload  
NEWS 7 MAY 21 CA/CAPLUS enhanced with additional kind codes for German patents  
NEWS 8 MAY 22 CA/CAPLUS enhanced with IPC reclassification in Japanese patents  
NEWS 9 JUN 27 CA/CAPLUS enhanced with pre-1967 CAS Registry Numbers  
NEWS 10 JUN 29 STN Viewer now available  
NEWS 11 JUN 29 STN Express, Version 8.2, now available  
NEWS 12 JUL 02 LEMBASE coverage updated  
NEWS 13 JUL 02 LEMBASE coverage updated  
NEWS 14 JUL 02 SCISEARCH enhanced with complete author names  
NEWS 15 JUL 02 CHEM-KITS accession numbers revised  
NEWS 16 JUL 02 CA/CAPLUS enhanced with utility model patents from China  
NEWS 17 JUL 16 CAPLUS enhanced with French and German abstracts  
NEWS 18 JUL 18 CA/CAPLUS patent coverage enhanced  
NEWS 19 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification  
NEWS 20 JUL 30 USGENE now available on STN  
NEWS 21 AUG 06 CAS REGISTRY enhanced with new experimental property tags  
NEWS 22 AUG 06 BEILSTEIN updated with new compounds  
NEWS 23 AUG 06 FSTA enhanced with new thesaurus edition  
NEWS 24 AUG 13 CA/CAPLUS enhanced with additional kind codes for granted patents  
NEWS 25 AUG 20 CA/CAPLUS enhanced with CAS indexing in pre-1907 records  
NEWS 26 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB  
NEWS 27 AUG 27 USPATOLD now available on STN  
NEWS 28 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data

NEWS EXPRESS 29 JUNE 2007: CURRENT WINDOWS VERSION IS V8.2,  
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FILE 'HOME' ENTERED AT 09:51:46 ON 29 AUG 2007

=> file caplus

FILE 'CAPLUS' ENTERED AT 09:52:30 ON 29 AUG 2007  
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FILE COVERS 1907 - 29 Aug 2007 VOL 147 ISS 10  
FILE LAST UPDATED: 28 Aug 2007 (20070828/ED)

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=> s IBAT

L1 366 IBAT

=> s ll and review/dt

L2 2061943 REVIEW/DT

6 L1 AND REVIEW/DT

=> d scan

Page 2





15. JONES et al. *Chem. Commun.* 1999, 10546005. The authors report on the synthesis of a novel class of inhibitors of the  $\text{H}^+$ -ATPase, which is a key enzyme in the regulation of intracellular pH. The inhibitors are based on a novel class of compounds, which are described in the patent literature. The authors report on the synthesis of a novel class of inhibitors of the  $\text{H}^+$ -ATPase, which is a key enzyme in the regulation of intracellular pH. The inhibitors are based on a novel class of compounds, which are described in the patent literature.

16. JONES et al. *Chem. Commun.* 1999, 10546005. The authors report on the synthesis of a novel class of inhibitors of the  $\text{H}^+$ -ATPase, which is a key enzyme in the regulation of intracellular pH. The inhibitors are based on a novel class of compounds, which are described in the patent literature. The authors report on the synthesis of a novel class of inhibitors of the  $\text{H}^+$ -ATPase, which is a key enzyme in the regulation of intracellular pH. The inhibitors are based on a novel class of compounds, which are described in the patent literature.

=> FIL STINGUIDE  
FILE 'STINGUIDE' ENTERED AT 09:54:29 ON 29 AUG 2007  
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=>  
=>  
Connection closed by remote host  
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Welcome to STN International! Enter x:X

LOGINID:SSPTADK01625

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 6 MAY 21 TOXCENTER enhanced with BIOSIS reload  
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spectral property data

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=>

Uploading  
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE  
Do you want to switch to the Registry File?

Choice (Y/n):

Switching to the Registry File...

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command can only be used to look at the index in a file which has an  
index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of  
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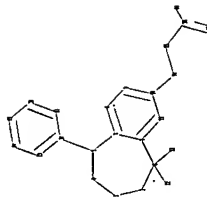
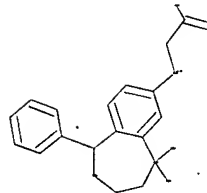
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predicted properties as well as tags indicating availability of  
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<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10546005structure.str



chain nodes :  
12 13 14 15 16 17 24

ring nodes :  
1 2 3 4 5 6 7 8 9 10 11 18 19 20 21 22 23

chain bonds :  
1-12 1-13 5-18 10-14 14-15 15-16 16-17 16-24

ring bonds :  
1-2 1-7 2-3 3-4 4-5 5-6 6-7 6-8 7-11 8-9 9-10 10-11 18-19 18-23 19-20

20-21 21-22 22-23

exact/norm bonds :  
1-2 1-7 1-12 1-13 2-3 3-4 4-5 5-6 10-14 14-15 16-17 16-24

exact bonds :  
5-18 15-16

normalized bonds :  
6-7 6-8 7-11 8-9 9-10 10-11 18-19 18-23 19-20 20-21 21-22 22-23

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GI:O,S

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:Atom  
19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS

L1 STRUCTURE UPLOADED

=> FTL STNGUIDE

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=>

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Welcome to STN International! Enter x:X

LOGINID:SSPTADKO1625

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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Choice (Y/n):

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<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

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chain nodes : 12 13 14 15 16 17 24  
ring nodes : 1 2 3 4 5 6 7 8 9 10 11 18 19 20 21 22 23

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10546005.trn

chain bonds :

1-12 1-13 5-18 10-14 14-15 15-16 16-17 16-24

ring bonds :

1-2 1-7 2-3 3-4 4-5 5-6 6-7 6-8 7-11 8-9 9-10 10-11 18-19 18-23 19-20  
20-21 21-22 22-23

exact/norm bonds :

1-2 1-7 1-12 1-13 2-3 3-4 4-5 5-6 10-14 14-15 16-17 16-24

exact bonds :

5-18 15-16

normalized bonds :

6-7 6-8 7-11 8-9 9-10 10-11 18-19 18-23 19-20 20-21 21-22 22-23

GI:O,S

Match level :

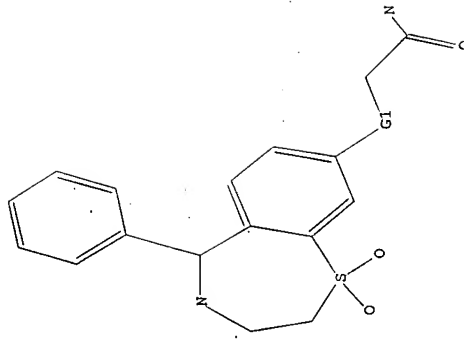
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:Atom  
19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



GI O,S

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10546005.trn

Structure attributes must be viewed using STN Express query preparation.

=> s ll  
SAMPLE SEARCH INITIATED 16:25:42 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 18 TO ITERATE  
100.0% PROCESSED 18 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01  
FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: BATCH \*\*COMPLETE\*\* 614  
PROJECTED ANSWERS: 0 TO 0  
L2 0 SEA SSS SAM L1  
=> FIL STNGUIDE  
FILE 'STNGUIDE' ENTERED AT 16:26:00 ON 29 AUG 2007  
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THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE  
Do you want to switch to the Registry File?  
Choice (Y/n):  
Switching to the Registry File...  
Some commands only work in certain files. For example, the EXPAND  
command can only be used to look at the index in a file which has an  
index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of  
commands which can be used in this file.

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DICTIONARY FILE UPDATES: 28 AUG 2007 HIGHEST RN 945714-55-6

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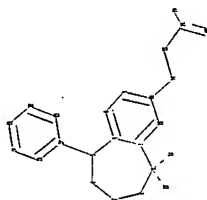
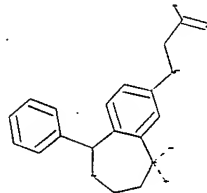
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REGISTRY includes numerically searchable data for experimental and  
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experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10546005set.str



chain nodes :  
12 13 14 15 16 17 24  
ring nodes :  
1 2 3 4 5 6 7 8 9 10 11 18 19 20 21 22 23  
chain bonds :  
1-12 1-13 5-18 10-14 14-15 15-16 16-17 16-24  
ring bonds :  
1-2 1-7 2-3 3-4 4-5 5-6 6-7 6-8 7-11 8-9 9-10 10-11 18-19 18-23 19-20  
20-21 21-22 22-23  
exact/norm bonds :  
1-2 1-7 1-12 1-13 2-3 3-4 4-5 5-6 10-14 14-15 16-17 16-24  
exact bonds :  
5-18 15-16  
normalized bonds :  
6-7 6-8 7-11 8-9 9-10 10-11 18-19 18-23 19-20 20-21 21-22 22-23

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G1:O,S

Match level :

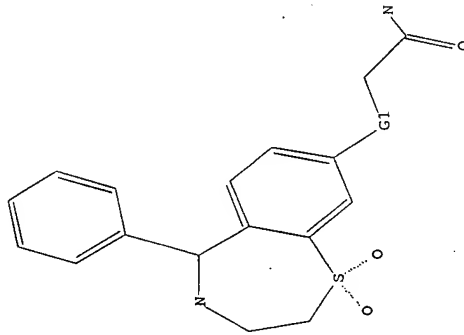
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:Atom  
19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS

L3 STRUCTURE UPLOADED

=> d 13

L3 HAS NO ANSWERS

L3 STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

=> s 13

SAMPLE SEARCH INITIATED 16:27:27 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 18 TO ITERATE

100.0% PROCESSED 18 ITERATIONS

0 ANSWERS

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10546005.trn

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 106 TO 614

PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L3

=> s 13 full

FULL SEARCH INITIATED 16:27:35 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 331 TO ITERATE

100.0% PROCESSED 331 ITERATIONS

SEARCH TIME: 00.00.01

L5 23 SEA SSS FUL L3

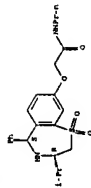
=> d scan

23 ANSWERS

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15 23 ANSWER REGISTRY COPYRIGHT 2007 ACS on STM  
IN Glycine, 2-((2S,3S,4S,5S)-tetrahydro-2H-pyran-2-yl)-1,1-dimethyl-1H-imidazole-5-carboxamide (1:1)  
MF C24 H30 N4 O5  
Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

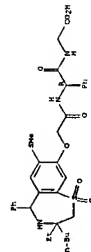
HOW MANY MORE NUMBERS DO YOU WANT TO SCAN (11120)

15 23 ANSWER REGISTRY COPYRIGHT 2007 ACS on STM  
IN Glycine, 2-((2S,3S,4S,5S)-tetrahydro-2H-pyran-2-yl)-1,1-dimethyl-1H-imidazole-5-carboxamide (1:1)  
MF C24 H30 N4 O5  
Relative stereochemistry.



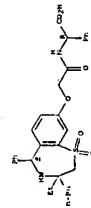
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

15 23 ANSWER REGISTRY COPYRIGHT 2007 ACS on STM  
IN Glycine, 2-((2S,3S,4S,5S)-tetrahydro-2H-pyran-2-yl)-1,1-dimethyl-1H-imidazole-5-carboxamide (1:1)  
MF C24 H30 N4 O5  
Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

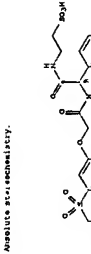
15 23 ANSWER REGISTRY COPYRIGHT 2007 ACS on STM  
IN Glycine, 2-((2S,3S,4S,5S)-tetrahydro-2H-pyran-2-yl)-1,1-dimethyl-1H-imidazole-5-carboxamide (1:1)  
MF C24 H30 N4 O5  
Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

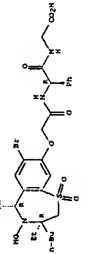
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15 23 ANSWER REGISTRY COPYRIGHT 2007 ACS on STM  
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MF C24 H30 N4 O5  
Relative stereochemistry.



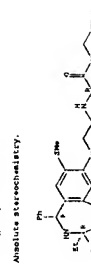
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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MF C24 H30 N4 O5  
Relative stereochemistry.



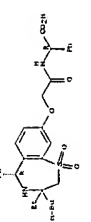
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

15 23 ANSWER REGISTRY COPYRIGHT 2007 ACS on STM  
IN Glycine, 2-((2S,3S,4S,5S)-tetrahydro-2H-pyran-2-yl)-1,1-dimethyl-1H-imidazole-5-carboxamide (1:1)  
MF C24 H30 N4 O5  
Relative stereochemistry.



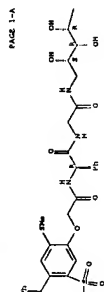
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

15 23 ANSWER REGISTRY COPYRIGHT 2007 ACS on STM  
IN Glycine, 2-((2S,3S,4S,5S)-tetrahydro-2H-pyran-2-yl)-1,1-dimethyl-1H-imidazole-5-carboxamide (1:1)  
MF C24 H30 N4 O5  
Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

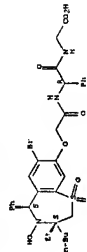
Q 23 ANSWERS REGISTRY COPYRIGHT 2007 ACS on ETH  
D-cetyl, 1-[[[29-n-[[[3-butyl-3-oxo-2,3,4,5-tetrahydro-7-  
oxo-1H-benz[e][1,2]dioxol-5-phenyl]-1,4-benzothiazepin-8-yl]oxy]acetyl]-2-  
phenyl-1H-pyridyl]pyrrolidine-1-deoxy. (ICI)  
C40 H54 N4 O11 S2  
Absolute stereochemistry.



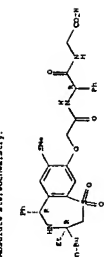
PAGE 1-8



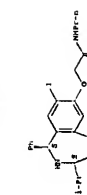
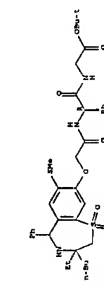
23 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
Clycine. (2*N*)-N-[[[(2*S*)-7-*thio*-3-butyl-3-ethyl-2,3,4,5-tetrahydro-4-  
hydroxy-1,4-dioxo-5-phenyl-1,4-benzothiazepin-8-yl]oxylacetyl]-2-  
phenylglycyl-] 19C1  
C33 H38 Br N3 O5  
Absolute stereochemistry.



L3 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STM  
IN GLYCINE, (2*N*)-N-(((1*S*),3*S*)-3-methyl-3-ethyl-2,4,6-tetrahydro-2-  
fattythio)-1,4-dioxido-3-phenyl-4,6-benzothiazepin-8-yloxy)acetyl-L-  
phenylalanyl- (HCl)  
MF C34 H41 N3 O7 S2  
CI COM



23 ANSWERS REGISTRY COPYRIGHT 2007 ACE on ITN  
L5 Acetate, N-propyl-2-[[[(4,5,6,7-tetrahydro-7-iodo-3-(1-  
methylthio)-1,1-dioxido-5-phenyl-1,4-benzothiazepin-5-yl)oxy]-rel-  
(9CI)  
M7 C23 N29 1 N2 O4 2  
relative stereochemistry.

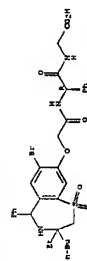
[illegible]
$$\text{H}_3\text{C}^{\oplus}-\text{CH}_2^{\oplus}=\text{NH}=\text{CH}_2^{\oplus}-\text{CH}_3$$

..PROPERTY DATA AVAILABLE IN THE "P+QP" FORMAT..

$$\text{H}_3\text{C}^{\oplus}-\text{CH}_2^{\oplus}=\text{NH}=\text{CH}_2^{\oplus}-\text{CH}_3$$

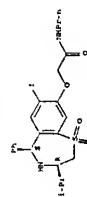
..PROPERTY DATA AVAILABLE IN THE "P+QP" FORMAT..

L3 23 ANSWERS REGISTRY COPYRIGHT 2007 ACS ON STM  
(2R)-N-[(1*S*)-7-iruno-3-butyl-2-ethyl-2,3,4,5-tetrahydro-1*H*-1-oxo-5-phenyl-1*H*-4-benzothiazepin-5-yl]oxy]acetyl-L-phenylalanyl-L-phenylalanine  
C3 K3B P1 K3 Q7 3  
MF  
Absolute stereocenterality.



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

23 ANSWERS REGISTRY COPYRIGHT 2007 ACE on 37N  
L5 Acetamide, N-propyl-2-(((3R,4S)-2,3,4,5-tetrachloro-7-iodo-3-(1-  
methyl-ethyl)-1,1-dioxido-5-phenyl)-1,4-benzothiazepin-5-yl)oxy)-rel-  
IN (rac)  
MF C23 H29 I N2 O4 S  
relative stereochemistry.



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FILE 'CAPLUS' ENTERED AT 16:28:46 ON 29 AUG 2007  
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FILE COVERS 1907 - 29 Aug 2007 VOL 147 ISS 10  
FILE LAST UPDATED: 28 Aug 2007 (20070828/ED)

<http://www.cas.org/infopolicy.html>

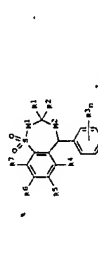
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FILE 'REGISTRY' ENTERED AT 16:25:17 ON 29 AUG 2007
L1      STRUCTURE UPLOADED
L2      0 S L1
FILE 'STNGUIDE' ENTERED AT 16:26:00 ON 29 AUG 2007
L3      FILE 'REGISTRY' ENTERED AT 16:27:12 ON 29 AUG 2007
L4      STRUCTURE UPLOADED
L5      0 S L3
        23 S L3 FULL
FILE 'CAPLUS' ENTERED AT 16:28:46 ON 29 AUG 2007
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=> s 15
L6      .      3 L5

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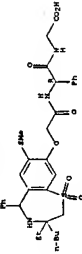
**As** Title compounds, represented by the formula I (wherein R<sub>1</sub>, R<sub>2</sub> = H, alkyl, alkenyl; R<sub>3</sub> = H, nitr, cyano, amino, etc.; R<sub>4</sub>, R<sub>5</sub> = independently H, hydroxy, (un)substituted carbonyl, cyano, etc.; R<sub>6</sub>, R<sub>7</sub> = independently H, nitr, amino, mercapto, alkenyl, etc.; R<sub>8</sub> = independently (un)substituted H, nitr, amino; n = 0-3; and pharmaceutically acceptable salts, solvates, or such a salt or a prodrug thereof) were formulated in liquid formulations.

LE ANSWER 1 OF 3 CAPSULE COPYRIGHT 2007 ACE an STM (Continued)

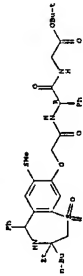
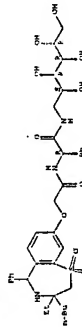


17 50160-93-9 753010-66-1P  
 NAC: ACT (resistant); 2FN (synthetic preparation); PREP (Preparation); NACT  
 (reactant or reagent)  
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Absolute stereochemistry.

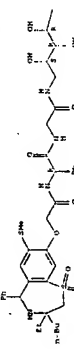


753010-66-1 CAPTIVE  
CLINIC (CN) 40-[[[3-buty-3-ethyl]-2,3,4,5-tetrahydro-7-(acetylthio)-1,1-dioxo-5-phenyl-1,4-naphthyl-2-yl]oxyacetyl-2-phenylglycyl-,  
1,1-diethyl ester (PCI) (CN INDEX NOTE)  
Structure at each other

[illegible]

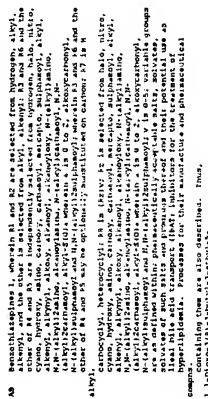
753016-67-2 CAPURZ  
D-Glucitol, 1-[[[2-(4,6,8-tri-*O*-acetyl-3-*O*-ethyl-2,3,6,5-tetrahydro-7-  
fattythio)-1,1-dioxo-3-phenyl-1,4-thiazol-5-yl]oxy]acetyl]-2-  
phenylglycidylglycyl]amino]-1-deoxy]-9C1 (CA INDEX NAME)

PAGE 1-A

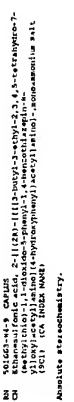
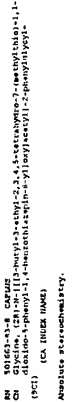
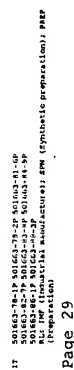
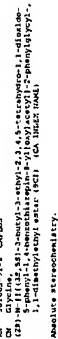
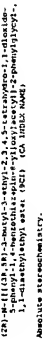


16 AUGUST 1 OF 3 CAPSULES COPYRIGHT 2007 ACE ON STM (Continued)

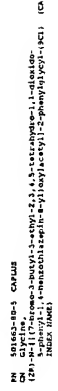
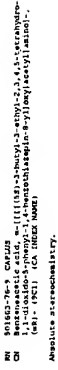
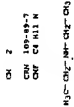




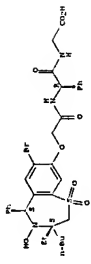
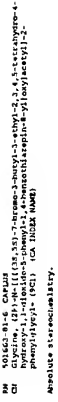
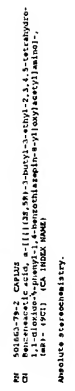
L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STM  
Absolute stereochemistry.

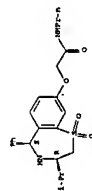


L6 ANSWER 2 OF 3 CAPLIS COPYRIGHT 2007 ACS ON 31N  
phenylacetylene, with N-methylmaleimide (11)



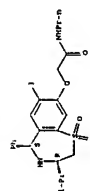
L6. ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STM (Continued)  
 focus on neurotoxic derivative. want at least bile acid transport



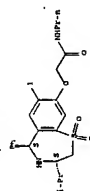
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461013-72-5 CAPLUS  
Acetamide, N-propyl-2-[[[(3a,5a)-2,3,6,8-tetrahydro-3-(1-methylethyl)-1,1-dioxido-5-phenyl-1,4-benzothiazepin-9-yl]oxy]-,rel- (PCI) (CA INDEX NAME)  
Relative stereochemistry.

ANAL. Calcd for  $C_{20}H_{20}N_2O_4$ : C, 64.81%; H, 5.31%; N, 2.46%.  $t$ -Butylacetate- $d_6$ -1000-3-11- $\delta$  (ppm): 1.2 (s, 9H,  $t$ -Bu), 4.1 (s, 2H,  $CH_2$ ), 5.1 (s, 1H,  $CH$ ), 6.1 (s, 1H,  $CH$ ), 7.1 (s, 1H,  $CH$ ), 7.6 (s, 1H,  $CH$ ), 8.1 (s, 1H,  $CH$ ), 8.6 (s, 1H,  $CH$ ), 9.1 (s, 1H,  $CH$ ), 9.6 (s, 1H,  $CH$ ), 10.1 (s, 1H,  $CH$ ), 10.6 (s, 1H,  $CH$ ), 11.1 (s, 1H,  $CH$ ), 11.6 (s, 1H,  $CH$ ), 12.1 (s, 1H,  $CH$ ), 12.6 (s, 1H,  $CH$ ), 13.1 (s, 1H,  $CH$ ), 13.6 (s, 1H,  $CH$ ), 14.1 (s, 1H,  $CH$ ), 14.6 (s, 1H,  $CH$ ), 15.1 (s, 1H,  $CH$ ), 15.6 (s, 1H,  $CH$ ), 16.1 (s, 1H,  $CH$ ), 16.6 (s, 1H,  $CH$ ), 17.1 (s, 1H,  $CH$ ), 17.6 (s, 1H,  $CH$ ), 18.1 (s, 1H,  $CH$ ), 18.6 (s, 1H,  $CH$ ), 19.1 (s, 1H,  $CH$ ), 19.6 (s, 1H,  $CH$ ), 20.1 (s, 1H,  $CH$ ), 20.6 (s, 1H,  $CH$ ), 21.1 (s, 1H,  $CH$ ), 21.6 (s, 1H,  $CH$ ), 22.1 (s, 1H,  $CH$ ), 22.6 (s, 1H,  $CH$ ), 23.1 (s, 1H,  $CH$ ), 23.6 (s, 1H,  $CH$ ), 24.1 (s, 1H,  $CH$ ), 24.6 (s, 1H,  $CH$ ), 25.1 (s, 1H,  $CH$ ), 25.6 (s, 1H,  $CH$ ), 26.1 (s, 1H,  $CH$ ), 26.6 (s, 1H,  $CH$ ), 27.1 (s, 1H,  $CH$ ), 27.6 (s, 1H,  $CH$ ), 28.1 (s, 1H,  $CH$ ), 28.6 (s, 1H,  $CH$ ), 29.1 (s, 1H,  $CH$ ), 29.6 (s, 1H,  $CH$ ), 30.1 (s, 1H,  $CH$ ), 30.6 (s, 1H,  $CH$ ), 31.1 (s, 1H,  $CH$ ), 31.6 (s, 1H,  $CH$ ), 32.1 (s, 1H,  $CH$ ), 32.6 (s, 1H,  $CH$ ), 33.1 (s, 1H,  $CH$ ), 33.6 (s, 1H,  $CH$ ), 34.1 (s, 1H,  $CH$ ), 34.6 (s, 1H,  $CH$ ), 35.1 (s, 1H,  $CH$ ), 35.6 (s, 1H,  $CH$ ), 36.1 (s, 1H,  $CH$ ), 36.6 (s, 1H,  $CH$ ), 37.1 (s, 1H,  $CH$ ), 37.6 (s, 1H,  $CH$ ), 38.1 (s, 1H,  $CH$ ), 38.6 (s, 1H,  $CH$ ), 39.1 (s, 1H,  $CH$ ), 39.6 (s, 1H,  $CH$ ), 40.1 (s, 1H,  $CH$ ), 40.6 (s, 1H,  $CH$ ), 41.1 (s, 1H,  $CH$ ), 41.6 (s, 1H,  $CH$ ), 42.1 (s, 1H,  $CH$ ), 42.6 (s, 1H,  $CH$ ), 43.1 (s, 1H,  $CH$ ), 43.6 (s, 1H,  $CH$ ), 44.1 (s, 1H,  $CH$ ), 44.6 (s, 1H,  $CH$ ), 45.1 (s, 1H,  $CH$ ), 45.6 (s, 1H,  $CH$ ), 46.1 (s, 1H,  $CH$ ), 46.6 (s, 1H,  $CH$ ), 47.1 (s, 1H,  $CH$ ), 47.6 (s, 1H,  $CH$ ), 48.1 (s, 1H,  $CH$ ), 48.6 (s, 1H,  $CH$ ), 49.1 (s, 1H,  $CH$ ), 49.6 (s, 1H,  $CH$ ), 50.1 (s, 1H,  $CH$ ), 50.6 (s, 1H,  $CH$ ), 51.1 (s, 1H,  $CH$ ), 51.6 (s, 1H,  $CH$ ), 52.1 (s, 1H,  $CH$ ), 52.6 (s, 1H,  $CH$ ), 53.1 (s, 1H,  $CH$ ), 53.6 (s, 1H,  $CH$ ), 54.1 (s, 1H,  $CH$ ), 54.6 (s, 1H,  $CH$ ), 55.1 (s, 1H,  $CH$ ), 55.6 (s, 1H,  $CH$ ), 56.1 (s, 1H,  $CH$ ), 56.6 (s, 1H,  $CH$ ), 57.1 (s, 1H,  $CH$ ), 57.6 (s, 1H,  $CH$ ), 58.1 (s, 1H,  $CH$ ), 58.6 (s, 1H,  $CH$ ), 59.1 (s, 1H,  $CH$ ), 59.6 (s, 1H,  $CH$ ), 60.1 (s, 1H,  $CH$ ), 60.6 (s, 1H,  $CH$ ), 61.1 (s, 1H,  $CH$ ), 61.6 (s, 1H,  $CH$ ), 62.1 (s, 1H,  $CH$ ), 62.6 (s, 1H,  $CH$ ), 63.1 (s, 1H,  $CH$ ), 63.6 (s, 1H,  $CH$ ), 64.1 (s, 1H,  $CH$ ), 64.6 (s, 1H,  $CH$ ), 65.1 (s, 1H,  $CH$ ), 65.6 (s, 1H,  $CH$ ), 66.1 (s, 1H,  $CH$ ), 66.6 (s, 1H,  $CH$ ), 67.1 (s, 1H,  $CH$ ), 67.6 (s, 1H,  $CH$ ), 68.1 (s, 1H,  $CH$ ), 68.6 (s, 1H,  $CH$ ), 69.1 (s, 1H,  $CH$ ), 69.6 (s, 1H,  $CH$ ), 70.1 (s, 1H,  $CH$ ), 70.6 (s, 1H,  $CH$ ), 71.1 (s, 1H,  $CH$ ), 71.6 (s, 1H,  $CH$ ), 72.1 (s, 1H,  $CH$ ), 72.6 (s, 1H,  $CH$ ), 73.1 (s, 1H,  $CH$ ), 73.6 (s, 1H,  $CH$ ), 74.1 (s, 1H,  $CH$ ), 74.6 (s, 1H,  $CH$ ), 75.1 (s, 1H,  $CH$ ), 75.6 (s, 1H,  $CH$ ), 76.1 (s, 1H,  $CH$ ), 76.6 (s, 1H,  $CH$ ), 77.1 (s, 1H,  $CH$ ), 77.6 (s, 1H,  $CH$ ), 78.1 (s, 1H,  $CH$ ), 78.6 (s, 1H,  $CH$ ), 79.1 (s, 1H,  $CH$ ), 79.6 (s, 1H,  $CH$ ), 80.1 (s, 1H,  $CH$ ), 80.6 (s, 1H,  $CH$ ), 81.1 (s, 1H,  $CH$ ), 81.6 (s, 1H,  $CH$ ), 82.1 (s, 1H,  $CH$ ), 82.6 (s, 1H,  $CH$ ), 83.1 (s, 1H,  $CH$ ), 83.6 (s, 1H,  $CH$ ), 84.1 (s, 1H,  $CH$ ), 84.6 (s, 1H,  $CH$ ), 85.1 (s, 1H,  $CH$ ), 85.6 (s, 1H,  $CH$ ), 86.1 (s, 1H,  $CH$ ), 86.6 (s, 1H,  $CH$ ), 87.1 (s, 1H,  $CH$ ), 87.6 (s, 1H,  $CH$ ), 88.1 (s, 1H,  $CH$ ), 88.6 (s, 1H,  $CH$ ), 89.1 (s, 1H,  $CH$ ), 89.6 (s, 1H,  $CH$ ), 90.1 (s, 1H,  $CH$ ), 90.6 (s, 1H,  $CH$ ), 91.1 (s, 1H,  $CH$ ), 91.6 (s, 1H,  $CH$ ), 92.1 (s, 1H,  $CH$ ), 92.6 (s, 1H,  $CH$ ), 93.1 (s, 1H,  $CH$ ), 93.6 (s, 1H,  $CH$ ), 94.1 (s, 1H,  $CH$ ), 94.6 (s, 1H,  $CH$ ), 95.1 (s, 1H,  $CH$ ), 95.6 (s, 1H,  $CH$ ), 96.1 (s, 1H,  $CH$ ), 96.6 (s, 1H,  $CH$ ), 97.1 (s, 1H,  $CH$ ), 97.6 (s, 1H,  $CH$ ), 98.1 (s, 1H,  $CH$ ), 98.6 (s, 1H,  $CH$ ), 99.1 (s, 1H,  $CH$ ), 99.6 (s, 1H,  $CH$ ), 100.1 (s, 1H,  $CH$ ), 100.6 (s, 1H,  $CH$ ), 101.1 (s, 1H,  $CH$ ), 101.6 (s, 1H,  $CH$ ), 102.1 (s, 1H,  $CH$ ), 102.6 (s, 1H,  $CH$ ), 103.1 (s, 1H,  $CH$ ), 103.6 (s, 1H,  $CH$ ), 104.1 (s, 1H,  $CH$ ), 104.6 (s, 1H,  $CH$ ),



441014-04-6 CAPUIS  
Acetals, N-propyl-2-[[(3R,5R)-2,3,4,5-tetrahydro-7-iodo-3-(1-methylvinyl)-1,1-dioxido-3-phenyl-1,4-benzothiazepin-6-yloxy]-,rel-  
(9CI) (CA INDEX NAME)  
  
relative stereochemistry.



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STRUCTURE FILE UPDATES:	28 AUG 2007	HIGHEST RN 945714-55-6
DICTIONARY FILE UPDATES:	28 AUG 2007	HIGHEST RN 945714-55-6

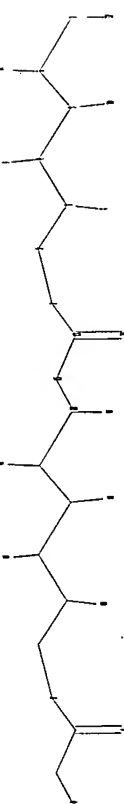
**TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007**

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

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=> Uploading C:\Program Files\Stnexp\Queries\chain.str

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10546005.trn

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G1:O,S

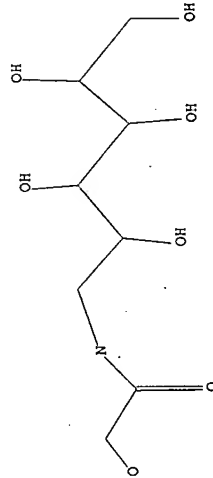
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1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS  
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS

L7 STRUCTURE UPLOADED

=> d 17

L7 HAS NO ANSWERS  
STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED - 1010 TO ITERATE

100.0% PROCESSED 1010 ITERATIONS  
SEARCH TIME: 00.00.01 10 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 18294 TO 22106  
PROJECTED ANSWERS: 11 TO 389

L8 10 SEA SSS SAM L7

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FULL SEARCH INITIATED 17:03:17 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 19353 TO ITERATE

100.0% PROCESSED 19353 ITERATIONS  
SEARCH TIME: 00.00.01 127 ANSWERS

Page 33

10546005.trn

L9 127 SEA SSS FUL L7

=> file caplus

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=> s 19

L10 42 L9

=> s 110 and bile  
61800 BILE  
344 BILES  
61814 BILE  
(BILE OR BILES)

L11 1 L10 AND BILE

=> d scan

Page 34

10546005.trn

L17 1 NUPRES CORTIS CORRELION 3007 AGE ON STP  
62-5 (Pharmacological)  
in vitro stability of liposomes in the presence of polymers, tensio-  
active agents and phospholipids  
L12 0 L10 AND IBAT  
366 IBAT  
L12 0 L10 AND IBAT  
=> s l10 and transport  
731580 TRANSPORT  
6379 TRANSPORTS  
754156 TRANSPORT  
(TRANSPORT OR TRANSPORTS)  
L13 0 L10 AND TRANSPORT  
=> s l10 and inhibitor  
549359 INHIBITOR  
553130 INHIBITORS  
862893 INHIBITOR  
(INHIBITOR OR INHIBITORS)  
L14 6 L10 AND INHIBITOR  
=> d scan

10546005.trn

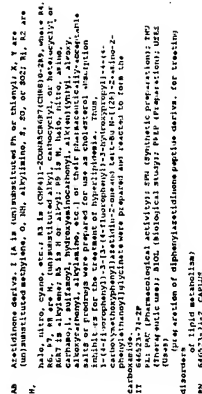
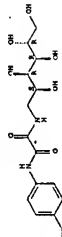
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366 IBAT  
L12 0 L10 AND IBAT  
=> s l10 and transport  
731580 TRANSPORT  
6379 TRANSPORTS  
754156 TRANSPORT  
(TRANSPORT OR TRANSPORTS)  
L13 0 L10 AND TRANSPORT  
=> s l10 and inhibitor  
549359 INHIBITOR  
553130 INHIBITORS  
862893 INHIBITOR  
(INHIBITOR OR INHIBITORS)  
L14 6 L10 AND INHIBITOR  
=> d scan



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FILE 'STNGUIDE' ENTERED AT 16:26:00 ON 29 AUG 2007
FILE 'REGISTRY' ENTERED AT 16:27:12 ON 29 AUG 2007
    STRUCTURE UPLOADED
    0 S L3
    23 S L3 FULL
FILE 'CAPLUS' ENTERED AT 16:28:46 ON 29 AUG 2007
    3 S L5
FILE 'STNGUIDE' ENTERED AT 16:39:06 ON 29 AUG 2007
FILE 'REGISTRY' ENTERED AT 17:02:42 ON 29 AUG 2007
    STRUCTURE UPLOADED
    10 S L7
    127 S L7 FULL
FILE 'CAPLUS' ENTERED AT 17:03:27 ON 29 AUG 2007
    42 S L9
    1 S L10 AND BILE
    0 S L10 AND BEAT
    0 S L10 AND TRANSPORT
    6 S L10 AND INHIBITOR

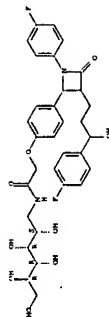
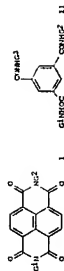
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[illegible][illegible]

absolute stereochemistry.

Page 40

ALL4 ANSWER 1 OF 6 CAPLIS CRYLIGHT 2007 ACS on 27th (Continued)  
D-Glucitol, 1-deoxy-1-[(1-[(1-1,1-dimethylethyl)-2-[(3-(4-chlorophenyl)-3-  
hydroxypropyl)-4-oxo-2-oxetidinyl]phenoxy]acetyl]amino)-9Cl] (CA INDEX  
NAME)  
Absolute stereochem|ativ.

[illegible][illegible]



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=> FIL STNGUIDE  
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FILE 'REGISTRY' ENTERED AT 16:25:17 ON 29 AUG 2007  
STRUCTURE UPLOADED  
L1 0 S L1  
L2

FILE 'STNGUIDE' ENTERED AT 16:26:00 ON 29 AUG 2007  
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STRUCTURE UPLOADED  
L3 0 S L3  
L4 23 S L3 FULL  
L5

FILE 'CAPLUS' ENTERED AT 16:28:46 ON 29 AUG 2007  
3 S L5  
L6

FILE 'STNGUIDE' ENTERED AT 16:39:06 ON 29 AUG 2007  
FILE 'REGISTRY' ENTERED AT 17:02:42 ON 29 AUG 2007  
STRUCTURE UPLOADED  
L7 10 S L7  
L8 127 S L7 FULL  
L9

FILE 'CAPLUS' ENTERED AT 17:03:27 ON 29 AUG 2007  
42 S L9  
L10 1 S L10 AND BILE  
L11 0 S L10 AND IBAT  
L12 0 S L10 AND TRANSPORT  
L13 6 S L10 AND INHIBITOR  
L14

FILE 'STNGUIDE' ENTERED AT 17:05:05 ON 29 AUG 2007  
=> s l10 and lipid  
COMBINATION OF STRUCTURE AND TEXT TERMS NOT VALID  
The query entered contains both search terms created by  
structure-building or screen commands and text search terms. L#s  
created via the STRUCTURE or SCREEN commands must be searched in the  
structures files separately from text terms or profiles. The L#  
answer sets from structure searches can be used in crossover searches  
and can be combined with text terms.

=> FIL CAPLUS  
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=> s l10 and lipid  
292226 LIPID  
214063 LIPIDS  
358625 LIPID  
L15 4 L10 AND LIPID  
(LIPID OR LIPIDS)

=> d scan



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$\Rightarrow$  d his

(FILE 'HOME' ENTERED AT 16:25:08 ON 29 AUG 2007)

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STRUCTURE UPLOADED

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0 S L3  
23 S L3 FULL

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3 S L5

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FILE 'CAPLUS' ENTERED AT 17:03:27 ON 29 AUG 2007

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FILE 'CAPLUS' ENTERED AT 17:06:30 ON 29 AUG 2007  
4 S L10 AND LIPID

=> d scan 111

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10546005.trn

[illegible]



10546005.trn

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STRUCTURE UPLOADED  
L1 0 S L1  
L2  
FILE 'STNGUIDE' ENTERED AT 16:26:00 ON 29 AUG 2007  
FILE 'REGISTRY' ENTERED AT 16:27:12 ON 29 AUG 2007  
STRUCTURE UPLOADED  
L3 0 S L3  
L4 23 S L3 FULL  
L5  
FILE 'CAPLUS' ENTERED AT 16:28:46 ON 29 AUG 2007  
3 S L5  
FILE 'STNGUIDE' ENTERED AT 16:39:06 ON 29 AUG 2007  
FILE 'REGISTRY' ENTERED AT 17:02:42 ON 29 AUG 2007  
STRUCTURE UPLOADED  
L7 10 S L7  
L8 127 S L7 FULL  
L9  
FILE 'CAPLUS' ENTERED AT 17:03:27 ON 29 AUG 2007  
42 S L9  
L10 1 S L10 AND BILE  
L11 0 S L10 AND IEAT  
L12 0 S L10 AND TRANSPORT  
L13 6 S L10 AND INHIBITOR  
L14  
FILE 'STNGUIDE' ENTERED AT 17:05:05 ON 29 AUG 2007  
FILE 'CAPLUS' ENTERED AT 17:06:30 ON 29 AUG 2007  
4 S L10 AND LIPID  
L15  
=> file reg  
FILE 'REGISTRY' ENTERED AT 17:07:46 ON 29 AUG 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2007 American Chemical Society (ACS)  
Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.  
STRUCTURE FILE UPDATES: 28 AUG 2007 HIGHEST RN 945714-55-6  
DICTIONARY FILE UPDATES: 28 AUG 2007 HIGHEST RN 945714-55-6  
New CAS Information Use Policies, enter HELP USAGETERMS for details.  
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007  
Please note that search-term pricing does apply when  
conducting SmartSELECT searches.  
REGISTRY includes numerically searchable data for experimental and

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Predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> s 501-663-91-8  
10673 501

L16 0 663-91-8  
0 501-663-91-8  
(501(W)663-91-8)

=> s 501663-91-8  
L17 1 501663-91-8  
(501663-91-8/RN)

=> d l17/rid  
'L17' MUST END IN 'Q', 'A', 'L', 'S' OR 'B'.  
The saved name for a query (or structure or screen set) must end with  
'Q'. The saved name for an answer set must end with 'A'. The saved  
name for an L# list must end with 'L'. SDI request names must end  
with 'S'. To see a list of all saved queries, answer sets, and L# list  
names for this loginid, enter "DISPLAY SAVED" at an arrow  
prompt (=>). Enter "DISPLAY SAVED/S" to see a list of SDI request  
names. Enter "DISPLAY SAVED/B" to see a list of BATCH search  
requests.

=> d rid l17  
'RID' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual  
fields or predefined formats. The predefined substance formats  
are: (RN = CAS Registry Number)

REG - RN  
SAM - Index Name, MF, and structure - no RN  
FIDE - All substance data, except sequence data  
IDE - FIDE, but only 50 names  
SQIDE - IDE, plus sequence data  
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used  
SOD - Protein sequence data, includes RN  
SOD3 - Same as SOD, but 3-letter amino acid codes are used  
SQN - Protein sequence name information, includes RN  
CALC - Table of calculated properties  
EPROP - Table of experimental properties  
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to  
obtain CA references citing the substance. The substance formats  
must be cited first. The CA File predefined formats are:

ABS -- Abstract  
APPS -- Application and Priority Information  
BIB -- CA Accession Number, plus Bibliographic Data

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CAN -- CA Accession Number  
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)  
IND -- Index Data  
IPC -- International Patent Classification  
PATS -- PI, SO  
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels  
IBIB -- BIB, indented, with text labels  
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)  
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations  
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.  
The MAX format is the same as ALL.  
The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.  
HELP FORMATS -- To see detailed descriptions of the predefined formats.  
ENTER DISPLAY FORMAT (IDE)::re  
'RE' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN  
SAM - Index Name, MF, and structure - no RN  
FIDE - All substance data, except sequence data  
IDE - FIDE, but only 50 names  
SOIDE - IDE, plus sequence data  
SOIDE3 - Same as SOIDE, but 3-letter amino acid codes are used  
SQD - Protein sequence data, includes RN  
SQD3 - Same as SQD, but 3-letter amino acid codes are used  
SON - Protein sequence name information, includes RN

CALC - Table of calculated properties  
EPROP - Table of experimental properties  
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract  
APPS -- Application and Priority Information

10546005.trn

BIB -- CA Accession Number, plus Bibliographic Data  
CAN -- CA Accession Number  
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)  
IND -- Index Data  
IPC -- International Patent Classification  
PATS -- PI, SO  
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels  
IBIB -- BIB, indented, with text labels  
ISTD -- STD format, indented

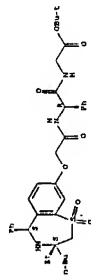
OBIB ----- AN, plus Bibliographic Data (original)  
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations  
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.  
The MAX format is the same as ALL.  
The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.  
HELP FORMATS -- To see detailed descriptions of the predefined formats.  
ENTER DISPLAY FORMAT (IDE)::ide



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPUS (1907 TO DATE)

```
=> d 117. full
'FULL' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
```

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

- REG
- SAM
- FIDE
- Index Name, MF, and structure - no RN
- All substance data, except sequence data
- FIDE, but only 50 names
- IDE, plus sequence data
- Same as SQIDE, but 3-letter amino acid codes are used
- SOD
- Protein sequence data, includes RN
- Same as SQD, but 3-letter amino acid codes are used
- Protein sequence name information, includes RN
- SSON

- Table of calculated properties
- Table of experimental properties
- EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

```
-- Abstract
ABS
-- Application and Priority Information
APPS
-- CA Accession Number, plus Bibliographic Data
BIB
-- CA Accession Number
CAN
-- CA Accession Number, plus Bibliographic Data (compressed)
CBIB
-- Index Data
IND
-- International Patent Classification
IPC
-- PI, SO
PATS
-- BIB, IPC, and NCL
STD
```

```
IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented
```

```

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

```

SBIB ----- BIB, no citations  
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MA% format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

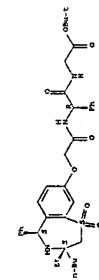
HELP' DFIELDS -- To see a complete list of individual display fields.

[illegible]

KL.F PSOR INH potencies:  $PSOR_{(interpretation)}$  PACI (product of reagent)

King system data

C6	C6	16	IC6
C6-CHN3	C6-HC2SC	16-7	ICHNS
			(46,150,18) 12
			(937,123,1) 11

[illegible]

See HELP PROPERTIES for information about property data sources in REGISTRY.  
1 REFERENCE IN FILE CA (1907 TO LATE)

SEE NEWSPAPERS FOR INFORMATION ABOUT PROPERTY DATA SOURCES IN REGISTRY.  
1 REFERENCE IN FILE CA (1907 TO DATE)

1 REFERENCE IN FILE CAPTIVE (1903 TO DATE)

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=> d l17 rid  
'RID' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN  
SAM - Index Name, MF, and structure - no RN  
FIDE - All substance data, except sequence data  
IDE - FIDE, but only 50 names  
SQIDE - IDE, plus sequence data  
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used  
SQD - Protein sequence data, includes RN  
SQD3 - Same as SQD, but 3-letter amino acid codes are used  
SQN - Protein sequence name information, includes RN  
CALC - Table of calculated properties  
EPROP - Table of experimental properties  
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract  
APPS -- Application and Priority Information  
BIB -- CA Accession Number, plus Bibliographic Data  
CAN -- CA Accession Number  
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)  
IND -- Index Data  
IPC -- International Patent Classification  
PATS -- PI, SO  
STD -- BIB, IPC, and NCL  
IABS -- ABS, indented, with text labels  
IBIB -- BIB, indented, with text labels  
ISTD -- STD format, indented  
OBIB ----- AN, plus Bibliographic Data (original)  
OBIB ----- OBIE, indented with text labels

SBIB ----- BIB, no citations  
SBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.  
The MAX format is the same as ALL.  
The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.

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HELP FORMATS -- To see detailed descriptions of the predefined formats.  
ENTER DISPLAY FORMAT (IDE):rid  
'RID' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN  
SAM - Index Name, MF, and structure - no RN  
FIDE - All substance data, except sequence data  
IDE - FIDE, but only 50 names  
SQIDE - IDE, plus sequence data  
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used  
SQD - Protein sequence data, includes RN  
SQD3 - Same as SQD, but 3-letter amino acid codes are used  
SQN - Protein sequence name information, includes RN  
CALC - Table of calculated properties  
EPROP - Table of experimental properties  
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract  
APPS -- Application and Priority Information  
BIB -- CA Accession Number, plus Bibliographic Data  
CAN -- CA Accession Number  
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)  
IND -- Index Data  
IPC -- International Patent Classification  
PATS -- PI, SO  
STD -- BIB, IPC, and NCL  
IABS -- ABS, indented, with text labels  
IBIB -- BIB, indented, with text labels  
ISTD -- STD format, indented  
OBIB ----- AN, plus Bibliographic Data (original)  
OBIB ----- OBIE, indented with text labels

SBIB ----- BIB, no citations  
SBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.  
The MAX format is the same as ALL.  
The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

Page 58

HELP DFIELDS -- To see a complete list of individual display fields.  
 HELP FORMATS -- To see detailed descriptions of the predefined formats.  
 ENTER DISPLAY FORMAT (IDE):/rid  
 'RID' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN  
 SAM - Index Name, MF, and structure - no RN  
 FIDE - All substance data, except sequence data  
 IDE - FIDE, but only 50 names  
 SQIDE - IDE, plus sequence data  
 SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used  
 SQD - Protein sequence data, includes RN  
 SQD3 - Same as SQD, but 3-letter amino acid codes are used  
 SQW - Protein sequence name information, includes RN  
 CALC - Table of calculated properties  
 EPROP - Table of experimental properties  
 EPROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract  
 APPS -- Application and Priority Information  
 BIB -- CA Accession Number, plus Bibliographic Data  
 CAN -- CA Accession Number  
 CBIB -- CA Accession Number, plus Bibliographic Data (compressed)  
 IND -- Index Data  
 IPC -- International Patent Classification  
 PATS -- PI, SO  
 STD -- BIB, IPC, and NCL  
 TABS -- ABS, indented, with text labels  
 IBIB -- BIB, indented, with text labels  
 ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)  
 OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations  
 SBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.  
 The MAX format is the same as ALL.  
 The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.  
 HELP FORMATS -- To see detailed descriptions of the predefined formats.  
 ENTER DISPLAY FORMAT (IDE):dfields  
 'DFIELDS' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN  
 SAM - Index Name, MF, and structure - no RN  
 FIDE - All substance data, except sequence data  
 IDE - FIDE, but only 50 names  
 SQIDE - IDE, plus sequence data  
 SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used  
 SQD - Protein sequence data, includes RN  
 SQD3 - Same as SQD, but 3-letter amino acid codes are used  
 SQW - Protein sequence name information, includes RN  
 CALC - Table of calculated properties  
 EPROP - Table of experimental properties  
 EPROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract  
 APPS -- Application and Priority Information  
 BIB -- CA Accession Number, plus Bibliographic Data  
 CAN -- CA Accession Number  
 CBIB -- CA Accession Number, plus Bibliographic Data (compressed)  
 IND -- Index Data  
 IPC -- International Patent Classification  
 PATS -- PI, SO  
 STD -- BIB, IPC, and NCL  
 TABS -- ABS, indented, with text labels  
 IBIB -- BIB, indented, with text labels  
 ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)  
 OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations  
 SBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.  
 The MAX format is the same as ALL.  
 The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help

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messages:

HELP DFIELDs -- To see a complete list of individual display fields.  
HELP FORMATS -- To see detailed descriptions of the predefined formats.  
ENTER DISPLAY FORMAT (IDE):end

=> help dfields

The display fields that you may use to display REGISTRY File records are listed below. You may use any of the SUBSTANCE INFORMATION FIELD CODES or PROPERTY FIELD CODES with the DISPLAY and PRINT commands. You may also use any of the CA DOCUMENT REFERENCE FIELD CODES OR PREDEFINED FORMATS, but these must always be combined with one of the Substance Information fields or formats. The fields appear in the order you request them.

The Component Number (CM) field code appears in records for multicomponent substances but is not a custom display field.

#### Substance Information Display Field Codes

AF Alternate Molecular Formula  
AR Alternate CAS Registry Number  
CCI Component Class Identifier  
CCN Condensed Chemical Name (all names)  
CI Class Identifier  
CIL Component Isotope at Unknown Location  
CMF Component Molecular Formula  
CN Chemical Name (up to 50)  
COMP Composition  
CRN Component CAS Registry Number  
DEF Definition  
DR Deleted CAS Registry Number  
ED Entry Date  
ENTE Editor Note  
FCN All Chemical Names  
FS File Segment  
IL Isotope at Unknown Location  
IN Index Name  
LC CAS Registry Number Locator  
MF Molecular Formula  
PCT Polymer Class Term  
PR Preferred CAS Registry Number  
REF Number of References in Caplus, CA, and CAOLD files and the number of references in CA for the non-specific derivatives  
RN CAS Registry Number  
RR Replacing Registry Number  
RSD Ring System Data  
SCN Short Chemical Name (IN and OTHER NAMES)  
SK Source of Registration  
SRSD Short Ring System Data  
STR Structure Diagram with stereo bond and R/S/z/E designations, if available  
STF Flat Structure Diagram (no stereo bonds)  
STS Structure Diagram with stereo bonds, if available

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#### Biosequence Field Codes

NA Nucleic Acid  
NTE Note  
PNTE Patent Annotation  
SEQ Sequence (1-letter amino acid codes)  
SEQ3 Sequence (3-letter amino acid codes)  
SQL Sequence Length

#### Property Field Codes

BCF Bioconcentration Factor  
BP Boiling Point  
DEN Density  
ECND Electric Conductivity  
ECON Electric Conductance  
ERES Electric Resistance  
EREST Electric Resistivity  
ETAG Experimental Property Tags  
FP Flash Point  
FRB Freely Rotable Bonds  
HAC H acceptors  
HD H donors  
HDAS H Donor/Acceptor Sum  
HVAL Enthalpy of Vaporization  
ISLB.MASS Mass Intrinsic Solubility  
KOC Organic Carbon Adsorption Coefficient  
LD50 Median Lethal Dose  
LOGD logD  
LOGP logP  
MM Magnetic Moment  
MP Melting Point  
MW Molecular Weight  
ORP Optical Rotatory Power  
PKA pKa  
PSA Polar Surface Area  
RI Refractive Index  
SLB.MASS Mass Solubility  
SLB.MOL Molar Solubility  
SPEC.C13NMR Carbon-13 NMR Spectra  
SPEC.IR IR Absorption Spectra  
SPEC.MASS Mass Spectra  
SPEC.H1NMR Proton NMR Spectra  
TG Glass Transition Temperature  
TS Tensile Strength  
VP Vapor Pressure

Caplus Super Roles and Document Type Display Field codes

DT.CA Caplus document type  
RL Caplus super roles  
RL.NP Caplus super roles from non-patents  
RL.P Caplus super roles from patents  
RLD (RL,D) Caplus super roles for non-specific derivatives  
RLD.NP Caplus super roles for non-specific derivatives

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RLD.P from non-patents  
CAPLUS super roles for non-specific derivatives  
RLS from patents  
CAPLUS super roles for the specific substance  
and its non-specific derivatives

For more information on display options, enter HELP FORMAT at an arrow prompt (=>). To find out about extracting search terms from display fields, enter HELP SELECT and HELP ANALYZE. For a list of fields that may be used with the ANALYZE and SELECT commands, enter HELP EFIELDS.

=> d 117 rsd

10546005.trn

RLD.P from non-patents  
CAPLUS super roles for non-specific derivatives  
RLS from patents  
CAPLUS super roles for the specific substance  
and its non-specific derivatives



10546005.trn  
 => s 937.123.1/rid  
 L18 1652 937.123.1/rid  
 => file caplus  
 FILE 'CAPLUS' ENTERED AT 17:11:52 ON 29 AUG 2007  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

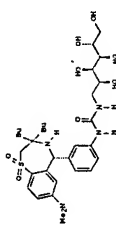
FILE COVERS 1907 - 29 Aug 2007 VOL 147 ISS 10  
 FILE LAST UPDATED: 28 Aug 2007 (20070828/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

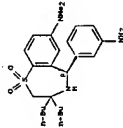
<http://www.cas.org/infopolicy.html>

=> s 118 159 L18  
 L19  
 => s 119 and bile  
 61800 BILE  
 344 BILES  
 61814 BILE  
 (BILE OR BILES)  
 L20 27 L19 AND BILE  
 => s 119 and ibat  
 366 IBAT  
 L21 8 L19 AND IBAT  
 => s 119 and bari  
 339 BARI  
 18 BARIS  
 357 BARI  
 (BARI OR BARIS)  
 L22 0 L19 AND BARI  
 => s 119 and lipid  
 29226 LIPID  
 214063 LIPIDS  
 358625 LIPID  
 (LIPID OR LIPIDS)  
 L23 5 L19 AND LIPID  
 => d cbib abs hitstr L21 1-8

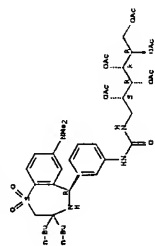
DOI: 10.1002/1522-2675(20010801)23:8<1093::AID-HLCA1093>3.0.CO;2-1

[illegible]

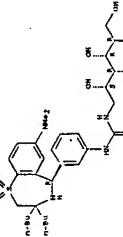
L21 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2007 ACZ on STN (Continued)



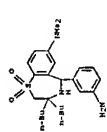
IN 921372-28-3 CAPLUS  
CN D-Glucitol, 1-deoxy-1-[[[13-(4'-hydroxy-3,3-dimethylamino)-2,3,4,5-tetrahydro-1,1-dioxol-4-ylbenzothiazolyl]azepyl]amino]carbonyl]amino  
[*2,2,4,5,6*-pentacacate (CA INDEX NAME)]  
Absolute stereochemistry.



L21 ANSWER 1 OF 8 CAPM'S COPYRIGHT 2007 ACE ON STN (Continued)



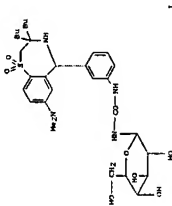
11 30350-10-1  
 (Reactant); RACT (Reactant or reagent)  
 (Preparation of a benzothiazepine diolide for the treatment of  
 hyperlipidemia)  
 30350-10-1 CAPLUS  
 1,4-benzothiazepin-7-amine, 5-(3-aminophenyl)-3,3-dimethyl-2,3,4,5-  
 tetrahydro-2H-dioxepino[1,1-b]indole-1,1-diolide (CA, INREX MAH)



RT	670278-66-7P	913172-26-3P	RT	670278-66-7P	913172-26-3P	RT
11	ACT (Reaction):	SN (Synthetic preparation):	PREP (Preparation):	ACT (Reaction):	SN (Synthetic preparation):	PREP (Preparation):
	Preparation of a hemiothaspiene diolide for the treatment of (reactant or reagent)					
	670278-66-7P	913172-26-3P	670278-66-7P	913172-26-3P	670278-66-7P	913172-26-3P
	1,1-diolide, (13)-	1,1-diolide, (13)-	1,1-diolide, (13)-	1,1-diolide, (13)-	1,1-diolide, (13)-	1,1-diolide, (13)-
	CA (HOLE NAME)	CA (HOLE NAME)	CA (HOLE NAME)	CA (HOLE NAME)	CA (HOLE NAME)	CA (HOLE NAME)
	Absolute stereochemistry.					

121 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

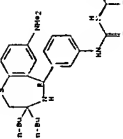
L21 ANCHORS 2 OF 8 CAPTUS COPYRIGHT 2007 ACS on STN  
2007;6142 Document No. 14:142950 Synthesis of 1,4-benzothiazepin-1,1-  
dioxide prodrug-alkaloids for use in treatment of lipid exchange  
disorders, Frick, Wendelin Glanville, Nelson; Meuer, Muelert, Schaefer,  
Mans-Lueblich; Thies, Stefan (sanofi-Aventis Deutschland GmbH,  
Germany).  
Chem. Offen. DE 10206503399 A1 20070715. Infr. (German). CODEN:  
CHEMFF. APPLICATION: DE 2007-10206503399 20070715.



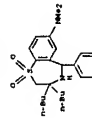
This compound (I) was prepared for use as a hypolipidemic agent in the treatment of lipid excretion disorders, e.g., by administration of the compound in the form of a pharmaceutical composition, e.g., a capsule, or by oral administration of the compound as a free compound. The compound (I) is a derivative of 1-(3-alkenylpropyl)-1,4-bis(methylphenyl)-1,4-dioxane derivatives having chiral center chromates, and the (R)-isomer (which is twisted with 2,3,4,6-tetra-O-acetyl- $\beta$ -D-glucopyranosyl) saccharide, following the method described in the literature, is recovered in the form of a salt with a chiral auxiliary acid compound (RPH) inhibitory activity. Chinese hamster ovary cells cloned with human HMG CoA reductase gene, 1  $\times$  10<sup>5</sup> to 0.05  $\times$  10<sup>5</sup> cells, compared to 0.319 for the chiral compound consists of D-gluconic acid made in place of the D-6.

<p>             953032 Yeast, <i>Saccharomyces cerevisiae</i>, mutants were in phase of growth on 2,4-dichlorophenoxyacetic acid (2,4-D) as sole carbon source. The mutants were characterized by their sensitivity to 2,4-D and by their ability to grow on 2,4-D as sole carbon source. The mutants were also characterized by their sensitivity to 2,4-D and by their ability to grow on 2,4-D as sole carbon source. The mutants were also characterized by their sensitivity to 2,4-D and by their ability to grow on 2,4-D as sole carbon source.           </p>	<p>             953033 Yeast, <i>Saccharomyces cerevisiae</i>, mutants were in phase of growth on 2,4-dichlorophenoxyacetic acid (2,4-D) as sole carbon source. The mutants were characterized by their sensitivity to 2,4-D and by their ability to grow on 2,4-D as sole carbon source. The mutants were also characterized by their sensitivity to 2,4-D and by their ability to grow on 2,4-D as sole carbon source. The mutants were also characterized by their sensitivity to 2,4-D and by their ability to grow on 2,4-D as sole carbon source.           </p>
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L21 NUMBER 2 OF 8 CAPLUS COPYRIGHT 2007 ACS on JSTN (Continued)



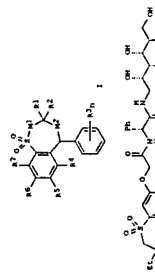
IT 30039-10-1  
 PLANT (FRUIT); BACT (FRUIT OR PLANT)  
 (FRUITATION OF PENCILLIUM GLABRUM) GLUCOSE USE IN  
 treatment  
 of little exchange disorders  
 1,4-BEN-1,4-BEN-7-amine, 5-(2-sulphoethyl)-2,3-dimethyl-2,4,5-  
 CH



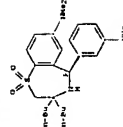
17	670274-10-7P 313512-23-6P 1911 PCT (Patent): PM (Synthetic preparation): PMP (Preparation): PACT (Reactant or reagent) Preparation of benzothiazepin-phenylsulfo-glucoside for use in treatment of lipid exchange disorders
18	670274-10-7P 313512-23-6P 1911 PCT (Patent): PM (Synthetic preparation): PMP (Preparation): PACT (Reactant or reagent) Preparation of benzothiazepin-phenylsulfo-glucoside for use in treatment of lipid exchange disorders

121 ANSWER 3 OF 8 CAPLIS COPYRIGHT 2007 ACS ON STN

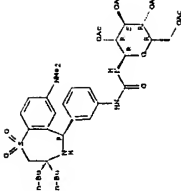
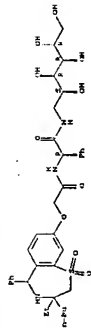
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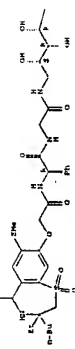
(Continued)



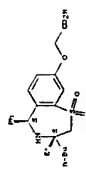
95151-48-6 CAPUS  
ure, M-[3-(3-oxo-2,3-dimethyl-2-oxoethylamino)-2,3,4,5-tetrahydro-1,2-dioxol-1-yl]-benzothiazin-5-ylphenyl-N-(2,3,4,5-tetra-O-acetyl-D-glucopyranosyl)- (CA INDEX NAME)  
Absolute stereochemistry.

[illegible]

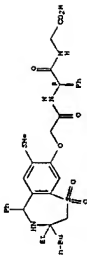
PN 75310-67-2 CAPUS  
CDN D-Glucitol, 1-[[[(2S)-0-[[[3-benzyloxy-3-ethoxy-2,3,4,5-tetrahydro-7-(methoxythio)-1,1-dioxolono-5-phenyl]-3,4-tetraazepin-5-yl]oxy]acetyl]-2-(phenylthio)ethyl]amino]-1-deoxy-]-(VC) · (CA 111:1X NAME)  
Absolute stereochemistry



L21 ANSWER 3 OF 8 CAPTIVE COPYRIGHT 2007 ACE ON STN (Continued)  
PAGE 1-8

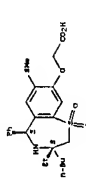
[illegible]

EN 10163-33-8 CAPLUS  
 CN Glycine, [2*N*]-N-[[1,3-bis(3-oxo-2,3,4,5-tetrahydro-7-(methoxymethyl)-1,4-dioxino-5-phenyl)-1,4-benzothiazin-8-yl]oxycarbonyl-2-phenylacetyl-  
 (PCI)  
 (CA INDEX NAME)  
 Absolute stereochemistry.

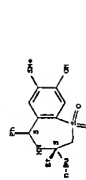


PN	501623-93-0	CAPUIS
CH	Acetic acid, [(1R,3R)-3-ethyl-2,3,4,5-tetrahydro-7-(acetylthio)-1,1-dioxido-3-phenyl-1,4-benzothiazepin-8-ylidene]-, (rel-) (DCI) (CA INDEX NAME)	Relative stereochemistry.

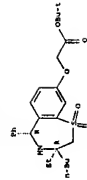
L21 ANSWER 3 OF 8 CAPJJS COPYRIGHT 2007 ACS ON STN (Continued)



RN 501663-94-1 CAPWIS  
 CN 1,4-benzothiazepine-8-ol,  
 3-butyl-3-ethyl-2,3,4,5-tetrahydro-7-(acetylthio)-  
 3-phenyl-, 1,1-dioxide, (3R,5R)-rel- (9CI) (CA INDEX NAME)  
 Relative stereochemistry.



BN	753010-62-7	CAPLIFE
CN	Acetic acid, [(2S,3S)-3-buty-3-ethyl-2,3,4,5-tetrahydro-1 <i>H</i> -indolo-5-phenyl-1 <i>H</i> -naphthalen-8-ylidene)-1,1-dimethylethyl ester, cal- (9Cl)	
	(CA INDEX NAME)	Relative stereochemistry

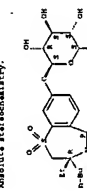


BN 733010-66-1 CAPTUS  
CN Glycine, (2*S*)-2-[(1*S*)-3-methyl-2,3,4,5-tetrahydro-2-(methylthio)-1,3-dioxo-3-phenyl-4-methyl-4H-pyridin-4-yl]oxyacetyl-2-oxoethylpyrrolidine-1,1-dimethylethyl ester (PCT) (CA INDEX NAME)  
Absolute stereochemistry

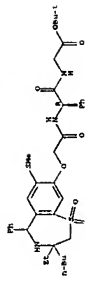
421. NUMBER OF A CAPSULE CONTAINING 2000 GALS AN ETHANOLIC EXTRACT OF *Hypericum perforatum* L. (St. John's Wort) (1930-1931) (1932-1933) (1934-1935) (1936-1937) (1938-1939) (1940-1941) (1942-1943) (1944-1945) (1946-1947) (1948-1949) (1950-1951) (1952-1953) (1954-1955) (1956-1957) (1958-1959) (1960-1961) (1962-1963) (1964-1965) (1966-1967) (1968-1969) (1970-1971) (1972-1973) (1974-1975) (1976-1977) (1978-1979) (1980-1981) (1982-1983) (1984-1985) (1986-1987) (1988-1989) (1990-1991) (1992-1993) (1994-1995) (1996-1997) (1998-1999) (2000-2001) (2002-2003) (2004-2005) (2006-2007) (2008-2009) (2010-2011) (2012-2013) (2014-2015) (2016-2017) (2018-2019) (2020-2021) (2022-2023) (2024-2025) (2026-2027) (2028-2029) (2030-2031) (2032-2033) (2034-2035) (2036-2037) (2038-2039) (2040-2041) (2042-2043) (2044-2045) (2046-2047) (2048-2049) (2050-2051) (2052-2053) (2054-2055) (2056-2057) (2058-2059) (2060-2061) (2062-2063) (2064-2065) (2066-2067) (2068-2069) (2070-2071) (2072-2073) (2074-2075) (2076-2077) (2078-2079) (2080-2081) (2082-2083) (2084-2085) (2086-2087) (2088-2089) (2090-2091) (2092-2093) (2094-2095) (2096-2097) (2098-2099) (2100-2101) (2102-2103) (2104-2105) (2106-2107) (2108-2109) (2110-2111) (2112-2113) (2114-2115) (2116-2117) (2118-2119) (2120-2121) (2122-2123) (2124-2125) (2126-2127) (2128-2129) (2130-2131) (2132-2133) (2134-2135) (2136-2137) (2138-2139) (2140-2141) (2142-2143) (2144-2145) (2146-2147) (2148-2149) (2150-2151) (2152-2153) (2154-2155) (2156-2157) (2158-2159) (2160-2161) (2162-2163) (2164-2165) (2166-2167) (2168-2169) (2170-2171) (2172-2173) (2174-2175) (2176-2177) (2178-2179) (2180-2181) (2182-2183) (2184-2185) (2186-2187) (2188-2189) (2190-2191) (2192-2193) (2194-2195) (2196-2197) (2198-2199) (2200-2201) (2202-2203) (2204-2205) (2206-2207) (2208-2209) (2210-2211) (2212-2213) (2214-2215) (2216-2217) (2218-2219) (2220-2221) (2222-2223) (2224-2225) (2226-2227) (2228-2229) (2230-2231) (2232-2233) (2234-2235) (2236-2237) (2238-2239) (2240-2241) (2242-2243) (2244-2245) (2246-2247) (2248-2249) (2250-2251) (2252-2253) (2254-2255) (2256-2257) (2258-2259) (2260-2261) (2262-2263) (2264-2265) (2266-2267) (2268-2269) (2270-2271) (2272-2273) (2274-2275) (2276-2277) (2278-2279) (2280-2281) (2282-2283) (2284-2285) (2286-2287) (2288-2289) (2290-2291) (2292-2293) (2294-2295) (2296-2297) (2298-2299) (2300-2301) (2302-2303) (2304-2305) (2306-2307) (2308-2309) (2310-2311) (2312-2313) (2314-2315) (2316-2317) (2318-2319) (2320-2321) (2322-2323) (2324-2325) (2326-2327) (2328-2329) (2330-2331) (2332-2333) (2334-2335) (2336-2337) (2338-2339) (2340-2341) (2342-2343) (2344-2345) (2346-2347) (2348-2349) (2350-2351) (2352-2353) (2354-2355) (2356-2357) (2358-2359) (2360-2361) (2362-2363) (2364-2365) (2366-2367) (2368-2369) (2370-2371) (2372-2373) (2374-2375) (2376-2377) (2378-2379) (2380-2381) (2382-2383) (2384-2385) (2386-2387) (2388-2389) (2390-2391) (2392-2393) (2394-2395) (2396-2397) (2398-2399) (2400-2401) (2402-2403) (2404-2405) (2406-2407) (2408-2409) (2410-2411) (2412-2413) (2414-2415) (2416-2417) (2418-2419) (2420-2421) (2422-2423) (2424-2425) (2426-2427) (2428-2429) (2430-2431) (2432-2433) (2434-2435) (2436-2437) (2438-2439) (2440-2441) (2442-2443) (2444-2445) (2446-2447) (2448-2449) (2450-2451) (2452-2453) (2454-2455) (2456-2457) (2458-2459) (2460-2461) (2462-2463) (2464-2465) (2466-2467) (2468-2469) (2470-2471) (2472-2473) (2474-2475) (2476-2477) (2478-2479) (2480-2481) (2482-2483) (2484-2485) (2486-2487) (2488-2489) (2490-2491) (2492-2493) (2494-2495) (2496-2497) (2498-2499) (2500-2501) (2502-2503) (2504-2505) (2506-2507) (2508-2509) (2510-2511) (2512-2513) (2514-2515) (2516-2517) (2518-2519) (2520-2521) (2522-2523) (2524-2525) (2526-2527) (2528-2529) (2530-2531) (2532-2533) (2534-2535) (2536-2537) (2538-2539) (2540-2541) (2542-2543) (2544-2545) (2546-2547) (2548-2549) (2550-2551) (2552-2553) (2554-2555) (2556-2557) (2558-2559) (2560-2561) (2562-2563) (2564-2565) (2566-2567) (2568-2569) (2570-2571) (2572-2573) (2574-2575) (2576-2577) (2578-2579) (2580-2581) (2582-2583) (2584-2585) (2586-2587) (2588-2589) (2590-2591) (2592-2593) (2594-2595) (2596-2597) (2598-2599) (2600-2601) (2602-2603) (2604-2605) (2606-2607) (2608-2609) (2610-2611) (2612-2613) (2614-2615) (2616-2617) (2618-2619) (2620-2621) (2622-2623) (2624-2625) (2626-2627) (2628-2629) (2630-2631) (2632-2633) (2634-2635) (2636-2637) (2638-2639) (2640-2641) (2642-2643) (2644-2645) (2646-2647) (2648-2649) (2650-2651) (2652-2653) (2654-2655) (2656-2657) (2658-2659) (2660-2661) (2662-2663) (2664-2665



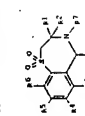
REF	CN	NAME?	hypercholesterolemia and dyslipidemia, and use with HMG-CoA reductase inhibitors)
364526-29-4	CAPUS	B-D-Glu-γ-pyrrolidino succinic acid, (3R,5R)-3-butyl-3-ethyl-2,3,4,5-tetrahydro-1,1-dioxol-5-phenyl-1,4-benzothiazepin-8-yl(19C1) (CA INDEX NAME)	



L21 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2007 ACE on STM (Continued)

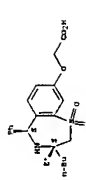


121. Abrams, S. and C. KAMM. 1979. Reproduction of penaeid shrimp, *Penaeus aztecus* (Fabricius), in relation to salinity and temperature. *Journal of Experimental Marine Biology and Ecology* 53:121-132.

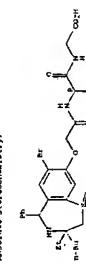


Ad. Benzophenazines 1, 3, 4, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843

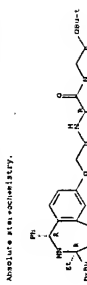
L21 ANSWER 5 OF 8 CAPULES COPYRIGHT 2007 ACE ON STN (Continued)



EN 501C3-40-5 CAPJUS  
CN Glycine,  
(2*N*)-N-[17-(*n*-oct-5-ynyl)-3-ethyl-2,3,4,5-tetrahydro-1*H*-oxido-  
5-phenyl-1,4-benzothiazepin-8-yl]oxylacetyl-2-phenylglycyl- (CA  
INDEX NAME)



EN 50663-99-7 CAPUS  
CI Glycine  
(2S)-N-[[[(1S,5S)-3-methyl-3-ethyl-2,4,4-tetraazepino-1,1-dioxolo-5-phenyl]-1,4-dithiazepin-8-yl]oxyl]acetyl-L-2-phenylglycyl-,  
1,1-dioxolo-2-ethyl azepan-1-yl] L-CA INDEX NAME]



FN 50163-9) = CAPJJB  
 (24) Glycine.  
 (25) 3-ethyl-2,3,4,5-tetrahydro-1,1-dioxolono-  
 5-cholesterol-1,4-enesate(10-8-vinyl)-catyl-2-phenylglycyl-



2521. *Womersley, D. R. C. and C. J. Carrigan. 1989. 145 pp. \$7.95.*  
 1987. 1991. Document No. 184511119. Preparation of novel 1, 2-methylolpropylene and 1, 2-methylolbutadiene copolymers as adhesives for applied surface and component high acid composite and Unitel adhesive application. Toronto, Canada: 1987. 1991.

[illegible]

L21 ANSWER 7 OF 8 CAPLIZ CRIPNIGHT 2007 ACS on 37N (Continued)  
 19384(6-0)-4 CAPLIZ  
 1,4-(3-3'-diacetyl-7-(diacetylacetyl)-2,3,4,5-tetrahydro-1,1-dioxo-  
 1,4-benzothiazepin-5-yl)- (PCT) (CA INDEX NAME)

393856-06-9 CAPSULES  
1,4-Benzo(1,2,3,4,5-tetrahydro-3-(4-(2-(2-(2-  
doxyl)ethoxy)ethoxy)phenyl)-N,N-dimethyl-, 1,1-dioxide (9CI) (CA  
Sodium Salt)

293856-09-2 CAPLIS  
1,4-Benztiazepin-7-amine, 3,3-dibutyl-5-[4-[[4-(chloromethyl)phenyl]aethoxy]phenyl]-2,3,4,4-tetrahydro-N,N-disethyl-, 1,1-dioxole, (S<sub>N</sub>1) (CA INDEX NAME)

NO	33255-20-7	CAPLUS
CH	1,4-benzothiazep[ <i>n</i> -7-enine, 3,3-dimethyl-5-{4-[2-(diethylamino)ethoxy]phenyl}-2,3,4,5-tetrahydro- <i>N</i> , <i>N</i> -dimethyl-1,1-dioxole	
	(SCI)	(CA INDEX NAME)

L21 ANSWER 7 OF 8 CAPTAIN'S COPYRIGHT 2007 ACS on STN (Continued)

27	33955-16-1P	33955-21-0P	33955-22-0P	33955-23-0P	33955-24-0P	33955-25-0P	33955-26-0P	33955-27-0P	33955-28-0P	33955-29-0P	33955-30-0P	33955-31-0P	33955-32-0P	33955-33-0P	33955-34-0P	33955-35-0P	33955-36-0P	33955-37-0P	33955-38-0P	33955-39-0P	33955-40-0P	33955-41-0P	33955-42-0P	33955-43-0P	33955-44-0P	33955-45-0P	33955-46-0P	33955-47-0P	33955-48-0P	33955-49-0P	33955-50-0P	33955-51-0P	33955-52-0P	33955-53-0P	33955-54-0P	33955-55-0P	33955-56-0P	33955-57-0P	33955-58-0P	33955-59-0P	33955-60-0P	33955-61-0P	33955-62-0P	33955-63-0P	33955-64-0P	33955-65-0P	33955-66-0P	33955-67-0P	33955-68-0P	33955-69-0P	33955-70-0P	33955-71-0P	33955-72-0P	33955-73-0P	33955-74-0P	33955-75-0P	33955-76-0P	33955-77-0P	33955-78-0P	33955-79-0P	33955-80-0P	33955-81-0P	33955-82-0P	33955-83-0P	33955-84-0P	33955-85-0P	33955-86-0P	33955-87-0P	33955-88-0P	33955-89-0P	33955-90-0P	33955-91-0P	33955-92-0P	33955-93-0P	33955-94-0P	33955-95-0P	33955-96-0P	33955-97-0P	33955-98-0P	33955-99-0P	33955-100-0P	33955-101-0P	33955-102-0P	33955-103-0P	33955-104-0P	33955-105-0P	33955-106-0P	33955-107-0P	33955-108-0P	33955-109-0P	33955-110-0P	33955-111-0P	33955-112-0P	33955-113-0P	33955-114-0P	33955-115-0P	33955-116-0P	33955-117-0P	33955-118-0P	33955-119-0P	33955-120-0P	33955-121-0P	33955-122-0P	33955-123-0P	33955-124-0P	33955-125-0P	33955-126-0P	33955-127-0P	33955-128-0P	33955-129-0P	33955-130-0P	33955-131-0P	33955-132-0P	33955-133-0P	33955-134-0P	33955-135-0P	33955-136-0P	33955-137-0P	33955-138-0P	33955-139-0P	33955-140-0P	33955-141-0P	33955-142-0P	33955-143-0P	33955-144-0P	33955-145-0P	33955-146-0P	33955-147-0P	33955-148-0P	33955-149-0P	33955-150-0P	33955-151-0P	33955-152-0P	33955-153-0P	33955-154-0P	33955-155-0P	33955-156-0P	33955-157-0P	33955-158-0P	33955-159-0P	33955-160-0P	33955-161-0P	33955-162-0P	33955-163-0P	33955-164-0P	33955-165-0P	33955-166-0P	33955-167-0P	33955-168-0P	33955-169-0P	33955-170-0P	33955-171-0P	33955-172-0P	33955-173-0P	33955-174-0P	33955-175-0P	33955-176-0P	33955-177-0P	33955-178-0P	33955-179-0P	33955-180-0P	33955-181-0P	33955-182-0P	33955-183-0P	33955-184-0P	33955-185-0P	33955-186-0P	33955-187-0P	33955-188-0P	33955-189-0P	33955-190-0P	33955-191-0P	33955-192-0P	33955-193-0P	33955-194-0P	33955-195-0P	33955-196-0P	33955-197-0P	33955-198-0P	33955-199-0P	33955-200-0P	33955-201-0P	33955-202-0P	33955-203-0P	33955-204-0P	33955-205-0P	33955-206-0P	33955-207-0P	33955-208-0P	33955-209-0P	33955-210-0P	33955-211-0P	33955-212-0P	33955-213-0P	33955-214-0P	33955-215-0P	33955-216-0P	33955-217-0P	33955-218-0P	33955-219-0P	33955-220-0P	33955-221-0P	33955-222-0P	33955-223-0P	33955-224-0P	33955-225-0P	33955-226-0P	33955-227-0P	33955-228-0P	33955-229-0P	33955-230-0P	33955-231-0P	33955-232-0P	33955-233-0P	33955-234-0P	33955-235-0P	33955-236-0P	33955-237-0P	33955-238-0P	33955-239-0P	33955-240-0P	33955-241-0P	33955-242-0P	33955-243-0P	33955-244-0P	33955-245-0P	33955-246-0P	33955-247-0P	33955-248-0P	33955-249-0P	33955-250-0P
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PAGE 1-A

LEE ANSWER 7 OF 8 CAPJUS COPYRIGHT 2007 ACS on 27N (Continued)

DN 393856-76-1 CAPLUS  
CN Ethacrinic acid, 2-[4-(3,3-dimethyl-7-(diethoxyamino)-2,3,4,5-tetrahydro-1H-pyrazolo[4,3-b]pyridin-5-yl)phenoxy]-4,N-methylenebis(1-Naphthyl)  
(CA INDEX NAME)

AN 333956-77-4 CAPSULE  
 CH Ethanol solution,  
 2-[12-[2-(4-[1,3-dibutyl-7-(dimethylamino)-2,3,4,5-tetrahydro-1,1-dioxido-1,4-naphthyl-5-yl]phenoxy)ethoxy]ethoxy]-N,N,N-triethyl-

AGE 2-A

PN 39385-23-0 CAPLUS  
CN Etcharianium, 2-(4-{3,3-dimethyl-7-(dimethylamino)-2,3,4,5-tetrahydro-1,4-dioxo-1,4-oxothiazepin-5-yl}phenoxy)-N,N,N-triethyl-1,3-iodide (9CI)

$$0-2\text{HO}-2\text{HO}-\text{N}, \text{C} \text{ } 2 \text{ } 2$$
[illegible][illegible]

medium (cell monolayers at steady state) was a function of the total amount of intracellularly stored glycogen. Glycogen levels were measured in such transients exposed to a pulse of insulin. High insulin levels stimulated such transients to store glycogen, and the amount of stored glycogen was related to the cell's age and distance from the measured boundary. The concentration of the stimulus (insulin) was not the only factor that influenced the probability that cells would respond to it in an appropriate way. Other potential factors include the cell's age, the cell's distance from the boundary, and the duration of the stimulus. The results are similar to those obtained by a mathematical model of the cell's response to a stimulus. The model was applied to the cellular study of neurons, a context in which the relationship between stimulus and response is of great interest. The model was also used to predict a rate in secondary and distal circulation. (Supported by the National Institutes of Health, Grant NS-27622-01, and the National Science Foundation, Grant IBN-8706049.)

Absolute stereochemistry.

10546005.trn

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FILE 'REGISTRY' ENTERED AT 16:25:17 ON 29 AUG 2007  
L1 STRUCTURE UPLOADED  
L2 0 S L1  
  
FILE 'STNGUIDE' ENTERED AT 16:26:00 ON 29 AUG 2007  
FILE 'REGISTRY' ENTERED AT 16:27:12 ON 29 AUG 2007  
L3 STRUCTURE UPLOADED  
L4 0 S L3  
L5 23 S L3 FULL  
  
FILE 'CAPLUS' ENTERED AT 16:28:46 ON 29 AUG 2007  
L6 3 S L5  
  
FILE 'STNGUIDE' ENTERED AT 16:39:06 ON 29 AUG 2007  
FILE 'REGISTRY' ENTERED AT 17:02:42 ON 29 AUG 2007  
L7 STRUCTURE UPLOADED  
L8 10 S L7  
L9 127 S L7 FULL  
  
FILE 'CAPLUS' ENTERED AT 17:03:27 ON 29 AUG 2007  
L10 42 S L9  
L11 1 S L10 AND BILE  
L12 0 S L10 AND IBAT  
L13 0 S L10 AND TRANSPORT  
L14 6 S L10 AND INHIBITOR  
  
FILE 'STNGUIDE' ENTERED AT 17:05:05 ON 29 AUG 2007  
FILE 'CAPLUS' ENTERED AT 17:06:30 ON 29 AUG 2007  
L15 4 S L10 AND LIPID  
  
FILE 'REGISTRY' ENTERED AT 17:07:46 ON 29 AUG 2007  
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L17 1 S 501663-91-8  
L18 1652 S 937.123.1/RID  
  
FILE 'CAPLUS' ENTERED AT 17:11:52 ON 29 AUG 2007  
L19 159 S L18  
L20 27 S L19 AND BILE  
L21 8 S L19 AND IBAT  
L22 0 S L19 AND BARI  
L23 5 S L19 AND LIPID

10546005.trn

FILE 'STNGUIDE' ENTERED AT 17:13:14 ON 29 AUG 2007

=> s 120 and SAR  
'RID' IS NOT A VALID FIELD CODE  
0 937.123.1/RID  
0 BILE  
0 SAR  
L24 0 L20 AND SAR

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=> s 120 and SAR  
11688 SAR  
4115 SARs  
15503 SAR  
(SAR OR SARs)  
L25 0 L20 AND SAR

=> s 120 and Structure activity  
2934062 STRUCTURE  
795321 STRUCTURES  
3325146 STRUCTURE  
(STRUCTURE OR STRUCTURES)  
2255565 ACTIVITY  
448733 ACTIVITIES  
2444372 ACTIVITY  
(ACTIVITY OR ACTIVITIES)  
92355 STRUCTURE ACTIVITY  
(STRUCTURE(W)ACTIVITY)  
L26 2 L20 AND STRUCTURE ACTIVITY

=> dscan  
DSCAN IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.

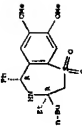
10546005.trn

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=> d scan

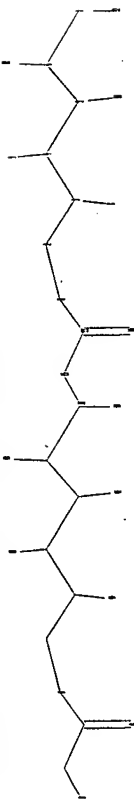
2 ANSWERS CAPLUS COPYRIGHT 2007 ACS on STM (Continued)  
 (reagent or reagent)  
 (reph. of nanzothiazepine as apical sodium co-dependent bile  
 acid transporter inhibitors)



[illegible][illegible]

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```
=> Uploading C:\Program Files\Stnexp\Queries\chain2.str
```



chain nodes :  
1-2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Chain bonds:  
1-2 1-13 2-3 3-4 3-8 4-5 4-9 5-6 5-10 6-7 6-11 7-12 13-14 13-15 15-16

exact/norm bonds :  
1-2 1-13 3-8 4-9 5-10 6-11 7-12 13-14 15-16

exact bonds:  
2-3 3-4 4-5 5-6 6-7 13-15

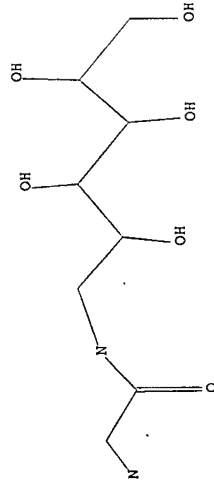
Match level :

1:1:CLASS 2:2:CLASS 3:3:CLASS 4:4:CLASS 5:5:CLASS 6:6:CLASS 7:7:CLASS 8:8:CLASS 9:9:CLASS  
10:10:CLASS 11:11:CLASS 12:12:CLASS 13:13:CLASS 14:14:CLASS 15:15:CLASS 16:16:CLASS

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=> d 127
L27 HAS NO ANSWERS
L27 STR

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Structure attributes must be viewed using STN Express query preparation.

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=> s 127
Registry INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or HITSTR) to directly view retrieved structures.
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SAMPLE SEARCH INITIATED 17:26:48 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 422 TO ITERATE

100.0% PROCESSED 422 ITERATIONS
SEARCH TIME: 00.00.01

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FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:  7208 TO  9672
PROJECTED ANSWERS:     7 TO    298

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L28 7 SEA SSS SAM L27

L29 11 L28

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DICTIONARY FILE UPDATES:	28 AUG 2007	HIGHEST RN 945714-55-6

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TS/CA INFORMATION NOW CURRENT THROUGH JUNE 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

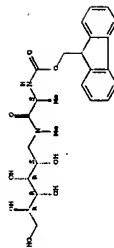
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stnqen/stdoc/properties.html>

=> d scan 128

Page 83

7 AUGUSTS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-1-CLICITOL  
 1-deoxy-1,1,2,2-((1H-fluoro-5-ylmethoxy)amino)-1-  
 oxopropyl)ethylamine) - (HCl)  
 C27 H32 N2 O8  
 Absolute stereochemistry.



```

**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
HOW MANY MORE ANSWERS DO YOU WISH TO SCANT (1):0

```

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10546005.trn

=> d his

(FILE 'HOME' ENTERED AT 16:25:08 ON 29 AUG 2007)  
FILE 'REGISTRY' ENTERED AT 16:25:17 ON 29 AUG 2007  
STRUCTURE UPLOADED  
0 S L1  
L1  
L2  
FILE 'STNGUIDE' ENTERED AT 16:26:00 ON 29 AUG 2007  
FILE 'REGISTRY' ENTERED AT 16:27:12 ON 29 AUG 2007  
STRUCTURE UPLOADED  
0 S L3  
23 S L3 FULL  
L3  
L4  
L5  
FILE 'CAPLUS' ENTERED AT 16:28:46 ON 29 AUG 2007  
3 S L5  
L6  
FILE 'STNGUIDE' ENTERED AT 16:39:06 ON 29 AUG 2007  
FILE 'REGISTRY' ENTERED AT 17:02:42 ON 29 AUG 2007  
STRUCTURE UPLOADED  
10 S L7  
127 S L7 FULL  
L7  
L8  
L9  
FILE 'CAPLUS' ENTERED AT 17:03:27 ON 29 AUG 2007  
42 S L9  
1 S L10 AND BILE  
L11  
0 S L10 AND IBAT  
L12  
0 S L10 AND TRANSPORT  
L13  
6 S L10 AND INHIBITOR  
L14  
FILE 'STNGUIDE' ENTERED AT 17:05:05 ON 29 AUG 2007  
FILE 'CAPLUS' ENTERED AT 17:06:30 ON 29 AUG 2007  
4 S L10 AND LIPID  
L15  
FILE 'REGISTRY' ENTERED AT 17:07:46 ON 29 AUG 2007  
0 S 501-653-91-8  
1 S 501-653-91-8  
1652 S 937.123.1/1/D  
L16  
L17  
L18  
FILE 'CAPLUS' ENTERED AT 17:11:52 ON 29 AUG 2007  
159 S L18  
27 S L19 AND BILE  
L19  
8 S L19 AND IBAT  
L20  
0 S L19 AND BARI  
L21  
5 S L19 AND LIPID  
L22  
L23  
FILE 'STNGUIDE' ENTERED AT 17:13:14 ON 29 AUG 2007  
0 S L20 AND SAR  
L24  
FILE 'CAPLUS' ENTERED AT 17:15:23 ON 29 AUG 2007  
0 S L20 AND SAR  
L25  
2 S L20 AND STRUCTURE ACTIVITY  
L26  
STRUCTURE UPLOADED  
S L27  
L27

10546005.trn

FILE 'REGISTRY' ENTERED AT 17:26:48 ON 29 AUG 2007  
7 S L27  
L28  
FILE 'CAPLUS' ENTERED AT 17:26:48 ON 29 AUG 2007  
11 S L28  
L29  
FILE 'REGISTRY' ENTERED AT 17:26:54 ON 29 AUG 2007  
=> s l27 full  
FULL SEARCH INITIATED 17:27:19 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 7541 TO ITERATE  
L29  
100.0% PROCESSED 7541 ITERATIONS  
SEARCH TIME: 00.00.01  
118 ANSWERS  
L30  
118 SEA SSS FUL L27  
=> file caplus  
FILE 'CAPLUS' ENTERED AT 17:27:24 ON 29 AUG 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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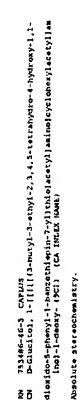
FILE COVERS 1907 - 29 Aug 2007 VOL 147 ISS 10  
FILE LAST UPDATED: 28 Aug 2007 (20070828/ED)  
Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l30  
L31  
52 L30  
=> s l31 and lipid  
292226 LIPID  
214063 LIPIDS  
358625 LIPID  
L32  
4 L31 AND LIPID  
=> s l31 and ibat  
366 IBAT  
L33  
4 L31 AND IBAT





[illegible]

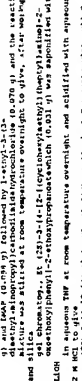
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[illegible]

IT In the presence of *N*-acetylbenzoinolone (747U)/*MS*,  
3450U-34.9U, 1-10-mono-3-*o*-allyl-5-*o*-allyl-7-*o*-allyl-9-*o*-allyl-11-*o*-allyl-13-*o*-allyl-15-*o*-allyl-17-*o*-allyl-19-*o*-allyl-21-*o*-allyl-23-*o*-allyl-25-*o*-allyl-27-*o*-allyl-29-*o*-allyl-31-*o*-allyl-33-*o*-allyl-35-*o*-allyl-37-*o*-allyl-39-*o*-allyl-41-*o*-allyl-43-*o*-allyl-45-*o*-allyl-47-*o*-allyl-49-*o*-allyl-51-*o*-allyl-53-*o*-allyl-55-*o*-allyl-57-*o*-allyl-59-*o*-allyl-61-*o*-allyl-63-*o*-allyl-65-*o*-allyl-67-*o*-allyl-69-*o*-allyl-71-*o*-allyl-73-*o*-allyl-75-*o*-allyl-77-*o*-allyl-79-*o*-allyl-81-*o*-allyl-83-*o*-allyl-85-*o*-allyl-87-*o*-allyl-89-*o*-allyl-91-*o*-allyl-93-*o*-allyl-95-*o*-allyl-97-*o*-allyl-99-*o*-allyl-101-*o*-allyl-103-*o*-allyl-105-*o*-allyl-107-*o*-allyl-109-*o*-allyl-111-*o*-allyl-113-*o*-allyl-115-*o*-allyl-117-*o*-allyl-119-*o*-allyl-121-*o*-allyl-123-*o*-allyl-125-*o*-allyl-127-*o*-allyl-129-*o*-allyl-131-*o*-allyl-133-*o*-allyl-135-*o*-allyl-137-*o*-allyl-139-*o*-allyl-141-*o*-allyl-143-*o*-allyl-145-*o*-allyl-147-*o*-allyl-149-*o*-allyl-151-*o*-allyl-153-*o*-allyl-155-*o*-allyl-157-*o*-allyl-159-*o*-allyl-161-*o*-allyl-163-*o*-allyl-165-*o*-allyl-167-*o*-allyl-169-*o*-allyl-171-*o*-allyl-173-*o*-allyl-175-*o*-allyl-177-*o*-allyl-179-*o*-allyl-181-*o*-allyl-183-*o*-allyl-185-*o*-allyl-187-*o*-allyl-189-*o*-allyl-191-*o*-allyl-193-*o*-allyl-195-*o*-allyl-197-*o*-allyl-199-*o*-allyl-201-*o*-allyl-203-*o*-allyl-205-*o*-allyl-207-*o*-allyl-209-*o*-allyl-211-*o*-allyl-213-*o*-allyl-215-*o*-allyl-217-*o*-allyl-219-*o*-allyl-221-*o*-allyl-223-*o*-allyl-225-*o*-allyl-227-*o*-allyl-229-*o*-allyl-231-*o*-allyl-233-*o*-allyl-235-*o*-allyl-237-*o*-allyl-239-*o*-allyl-241-*o*-allyl-243-*o*-allyl-245-*o*-allyl-247-*o*-allyl-249-*o*-allyl-251-*o*-allyl-253-*o*-allyl-255-*o*-allyl-257-*o*-allyl-259-*o*-allyl-261-*o*-allyl-263-*o*-allyl-265-*o*-allyl-267-*o*-allyl-269-*o*-allyl-271-*o*-allyl-273-*o*-allyl-275-*o*-allyl-277-*o*-allyl-279-*o*-allyl-281-*o*-allyl-283-*o*-allyl-285-*o*-allyl-287-*o*-allyl-289-*o*-allyl-291-*o*-allyl-293-*o*-allyl-295-*o*-allyl-297-*o*-allyl-299-*o*-allyl-301-*o*-allyl-303-*o*-allyl-305-*o*-allyl-307-*o*-allyl-309-*o*-allyl-311-*o*-allyl-313-*o*-allyl-315-*o*-allyl-317-*o*-allyl-319-*o*-allyl-321-*o*-allyl-323-*o*-allyl-325-*o*-allyl-327-*o*-allyl-329-*o*-allyl-331-*o*-allyl-333-*o*-allyl-335-*o*-allyl-337-*o*-allyl-339-*o*-allyl-341-*o*-allyl-343-*o*-allyl-345-*o*-allyl-347-*o*-allyl-349-*o*-allyl-351-*o*-allyl-353-*o*-allyl-355-*o*-allyl-357-*o*-allyl-359-*o*-allyl-361-*o*-allyl-363-*o*-allyl-365-*o*-allyl-367-*o*-allyl-369-*o*-allyl-371-*o*-allyl-373-*o*-allyl-375-*o*-allyl-377-*o*-allyl-379-*o*-allyl-381-*o*-allyl-383-*o*-allyl-385-*o*-allyl-387-*o*-allyl-389-*o*-allyl-391-*o*-allyl-393-*o*-allyl-395-*o*-allyl-397-*o*-allyl-399-*o*-allyl-401-*o*-allyl-403-*o*-allyl-405-*o*-allyl-407-*o*-allyl-409-*o*-allyl-411-*o*-allyl-413-*o*-allyl-415-*o*-allyl-417-*o*-allyl-419-*o*-allyl-421-*o*-allyl-423-*o*-allyl-425-*o*-allyl-427-*o*-allyl-429-*o*-allyl-431-*o*-allyl-433-*o*-allyl-435-*o*-allyl-437-*o*-allyl-439-*o*-allyl-441-*o*-allyl-443-*o*-allyl-445-*o*-allyl-447-*o*-allyl-449-*o*-allyl-451-*o*-allyl-453-*o*-allyl-455-*o*-allyl-457-*o*-allyl-459-*o*-allyl-461-*o*-allyl-463-*o*-allyl-465-*o*-allyl-467-*o*-allyl-469-*o*-allyl-471-*o*-allyl-473-*o*-allyl-475-*o*-allyl-477-*o*-allyl-479-*o*-allyl-481-*o*-allyl-483-*o*-allyl-485-*o*-allyl-487-*o*-allyl-489-*o*-allyl-491-*o*-allyl-493-*o*-allyl-495-*o*-allyl-497-*o*-allyl-499-*o*-allyl-501-*o*-allyl-503-*o*-allyl-505-*o*-allyl-507-*o*-allyl-509-*o*-allyl-511-*o*-allyl-513-*o*-allyl-515-*o*-allyl-517-*o*-allyl-519-*o*-allyl-521-*o*-allyl-523-*o*-allyl-525-*o*-allyl-527-*o*-allyl-529-*o*-allyl-531-*o*-allyl-533-*o*-allyl-535-*o*-allyl-537-*o*-allyl-539-*o*-allyl-541-*o*-allyl-543-*o*-allyl-545-*o*-allyl-547-*o*-allyl-549-*o*-allyl-551-*o*-allyl-553-*o*-allyl-555-*o*-allyl-557-*o*-allyl-559-*o*-allyl-561-*o*-allyl-563-*o*-allyl-565-*o*-allyl-567-*o*-allyl-569-*o*-allyl-571-*o*-allyl-573-*o*-allyl-575-*o*-allyl-577-*o*-allyl-579-*o*-allyl-581-*o*-allyl-583-*o*-allyl-585-*o*-allyl-587-<

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CCN(C)C(=O)COc1ccc(cc1)CCOC(=O)C

20030416A ANSWER 5 OF 7 CAPTIVE COPYRIGHT 2007 ACE on ETH  
20030416A Document No. 135-65949 Preparation of substituted  
phenylpropionic acid derivatives as agonists to human peroxylase  
proliferator-activated receptor alpha (PPAR). Alstermark Lindestr.  
Eva-Lotta; Olsson, Anna Christina; Li, Lanna (AstraZeneca AB, Sued.;  
AstraZeneca UK Limited). PCT Int. Appl. No. 2003051021A1 20030626, 48  
pp. INTERNATIONAL CLASS. No. A61K 31/00, A61K 31/04, A61K 31/045, A61K

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[illegible]

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=> logoff  
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COST IN U.S. DOLLARS  
FULL ESTIMATED COST  
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  
CA SUBSCRIBER PRICE  
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SINCE FILE ENTRY	TOTAL SESSION
51.35	746.63

SINCE FILE ENTRY	TOTAL SESSION
-6.24	-21.84